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ACHIEVEMENTS AT TBILISI MACHINE TOOL BUILDING PLANT IMENI KIROV

MUST INCREASE PRODUCTION TO SATISFY DEMANDS -- Tbilisi, Zarya Vostoka, 16 Sep 52

Among machine building enterprises of the Georgian SSR, the Tbilisi Machine Tool Building Plant imeni Kirov deserves recognition. During the past 2-3 years it considerably increased the output of DIP-300 screw-cutting lathes and heavy special machine tools for the metallurgical industry. It has also conducted important work in the radical improvement of production methods and the conversion of machine tool production to constant-flow methods.

However, plant personnel are faced with the task of an even greater increase in machine tool output because of the tremendous demand of Soviet industry for its products.

STEP UP OUTPUT OF MACHINE TOOLS BY 32 PERCENT -- Moscow, Izvestiya, 2 Oct 52

The Tbilisi Machine Tool Building Plant imeni Kirov completed its 9-month assignment ahead of schedule and increased the production of machine tools by 32 percent, as compared with the same period in 1951.

PERFECTS AND PRODUCES NEW MACHINE TOOLS ABOVE PLAN -- Tbilisi, Zarya Vostoka, 4 Oct 52

In September 1952, the Tbilisi Machine Tool Building Plant imeni S. M. Kirov perfected and produced four machine tools of two new models above plan.

OUTLINE PLANS TO UNCOVER, UTILIZE HIDDEN RESERVES -- Tbilisi, Zarya Vostoka, 25 Oct 52

In the past 5 years, the average yearly increase in machine tool production at the Tbilisi Machine Tool Building Plant imeni Kirov was 75 percent.

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New assignments as outlined by the Fifth Five-Year Plan specify that the plant must further modernize the technology of production, better utilize its productive capacities, increase labor productivity, and develop and perfect new types of heavy machine tools.

In 1952, the plant has already exceeded its planned capacity. At present, it is completing preparatory work in order to produce 6.3 times as many machine tools in 1953 as it did in 1946.

In addition to mastering the production of new models of machine tools and increasing production, a great deal of attention has been given recently to problems of economy. In this connection, the cost of producing its basic type of product, the LD63P screw-cutting lathe, has been decreased.

The production cost of machine tools, as compared with 1946, has been cut in half.

Not long ago the plant operated at a deficit and received large annual subsidies from the state. However, the persistent efforts of plant personnel to reduce the cost of production finally effected a profit. In 1950, the plant made a profit of 1,598,000 rubles; in 1951, 6,637,000 rubles; and in 8 months of 1952, 3,607,000 rubles.

A technical-industrial-financial plan was introduced to provide for strict planning and calculation of work according to technical, production, and financial indexes. In addition to the number of types and quantity of items being produced and the volume of commodity and gross production, this plan, founded on basic progressive norms, determined the minimum inevitable loss of labor and materials in the fulfillment of the state production plan.

The drawing up of the technical-industrial-financial plan preceded the lengthy and detailed work involved in the formulation of a plan for organizational and technical measures for each shop.

The plan for organizational and technical measures embraces all problems relating to the production activity of the plant, including the introduction of leading technologies, mechanization of production, easing of labor-consuming operations, improvement of health conditions, development and perfection of new and more modern machine tools, etc.

At the beginning of 1952, two basic shops at the plant, machine shop No 1 and assembly shop No 3, were converted to cost-accounting methods. As a result of this experiment, rejects caused by workers were cut by more than 50 percent. Many other savings have been noted. Plans are now being made to introduce cost accounting at all of the plant's shops.

However, a great deal still remains to be done in the further improvement of intraplant cost accounting. Cost accounting must be introduced to sections, brigades, and each worker. Progressive norms must be developed and introduced. The experience of leading shops, sections, brigades, and Stakhanovites must be made known to all plant personnel.

The Institute of Economics of the Academy of Sciences Georgian SSR can assist the plant a great deal in solving these and other problems concerning plant economics.

To improve the economic knowledge of plant workers, the institute is organizing the presentation of speeches and lectures.--N. Damotsev, chief, Planning Division, Tbilisi Machine Tool Building Plant imeni Kirov

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SHIP 21 MACHINE TOOLS TO CONSTRUCTION PROJECTS -- Yerevan, Kommunist, 30 Oct 52

The Tbilisi Machine Tool Building Plant imeni Kirov has shipped 21 machine tools to construction projects since the beginning of 1952.

BUILD AND DESIGN SPECIAL COMPLEX MACHINE TOOLS -- Tbilisi, Zarya Vostoka, 31 Oct 52

In addition to the production of universal screw-cutting lathes, the Tbilisi Machine Tool Building Plant imeni Kirov manufactures various special machine tools for the metallurgical, petroleum, and coal industries, for electric machine building and geological prospecting work, and for other leading branches of the national economy.

The plant has made great strides from year to year in the production of special complex machine tools. For example, plant designers have developed an improved 914B pipe cutting machine, model No 914M. It is slated for production in 1953. Its cutting speed will nearly triple that of the existing machine. Bronze radial spindle bearings are being replaced by roller bearings, which will effect a considerable saving in expensive nonferrous metal. This will also greatly decrease the labor spent in the manufacture of the parts as well as increase their life. In addition, the weight of the new machine tool has been decreased by 180 kilograms.

Model 1983 [probably should be 9183, because it is known that designations for pipe processing machines begin with 91--] pipe cutting machine for the petroleum industry is undergoing radical improvements. At present, it machines pipes up to 250 millimeters in diameter. The new model, 1983M, which has been designed in 1952 and is to be manufactured soon, will machine pipes up to 290 millimeters in diameter. This will considerably increase the technological potentials of the machine tool and will broaden its field of application. The new model will weigh 440 kilograms less than the existing one.

Among the special complex machines is one for chamfering huge welded pipes for gas mains. It was first designed to weigh 50 tons. The processes of installing the pipes and of machining them have been mechanized to the utmost. Each machine is equipped with 13 electric motors.

Semiautomatic push-button control, a very high speed of cutting, and the high power of this machine are making it possible to increase productivity in processing pipes 1½-2 times.

The plant has successfully mastered the production of chamfer-shape (faskoobraznyy) machines. Workers at the Khartsyzsk Pipe Plant (Ukraine) where the machine tools have been installed attest to their good quality.

PLANT EQUIPMENT IN OPERATION AT SEVERAL INDUSTRIES --Leningradskaya Pravda, 16 Nov 52

The Tbilisi Machine Tool Building Plant imeni Kirov released nine types of new automatic machine tools for machining steel pipes in 1952.

Equipment produced by this plant is now in operation at many enterprises of the metallurgical, petroleum, and power engineering industries.

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DISPATCH BRIGADES TO SET UP COMPLEX MACHINE TOOLS -- Tbilisi, Zarya Vostoka, 14 Dec 52

The Tbilisi Machine Tool Building Plant imeni Kirov ships its machine tools to dozens of addresses. Recently, it began to dispatch brigades to those addresses to install and set up the bigger and more complex machine tools.

Special pipe processing machines have been shipped to the Baku Pipe Plant. A brigade headed by Elizabeta Bobrik, engineer-designer, has been detailed to set up the work on these machines.

SHIP LATHES TO DISTANT PLACES - Tbilisi, Zarya Vostoka, 16 Nov 52

In the shipping yard of the Tbilisi Machine Tool Building Plant imeni Kirov, powerful overhead traveling cranes are used to transfer Model 1D63A universal lathes to the railroad platform for shipment to far-off points such as Kuybyshev, Dnepropetrovsk, Leningrad, Krasnoyarsk, etc.

There are 18 machine tool operators in the lathe section of the plant where gears for machine tools are processed.

On 14 November, the machining of parts for a new modernized machine tool, Model 1D63M, was started in shop No 1.

This machine tool was designed at the plant by P. Abesadze, G. Tsintsadze, G. Gruchumeliya, N. Khristovskaya, and B. Akobardin, designers.

In its technical and operating aspects, the new machine tool excels Model 1D63A. It is designed for high-speed metalworking.

NEW CABLE WINDING MACHINES FOR CONSTRUCTION PROJECTS -- Tbilisi, Zarya Vostoka, 20 Nov 52

The Tbilisi Machine Tool Building Plant imeni Kirov is now designing five special powerful cable winding machines for construction projects.

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